

Work Order ID 86124

Wednesday, June 20, 2012 3:30:42 PM

86124

Ship 25 July
Page 1

Item ID: DSI 9599-011

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Item Name: Squirrel Cheek Compatibility

Stop ***NS2***

Start Date: 6/20/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/25/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: *NF*

Date: *12-06-20* Tooling:

Date:

Run Start ***NR1***

QC:

Date: SPC (Y/N):

Date:

Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|---|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| Draw Nbr | Revision Nbr | | | | | | | | |
| DSI 9599 | A | | | | | | | | |
| 100 | | 0.00 | | | | | | | |
| *100* | DOCUMENT CONTROL | | | | | | | | |
| DC | Memo | 0.00 | | | | | | | |
| Document Control | Photocopy bluefile & type labels per PPP DSI9599-011 CHG001 | | | | | | | | |
| 110 | Pick Kit | 0.00 | | | | | | | |
| *110* | | | | | | | | | |
| Packaging | Memo | 0.00 | | | | | | | |
| Packaging | | | | | | | | | |
| 120 | QC4- 100% Inspect kits for completeness | 0.00 | | | | | | | |
| *120* | | | | | | | | | |
| QC | Memo | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |

MLC 12/06/27

12/06/27

(40)

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Work Order ID 86124***86124***

Page 2

Item ID: DSI 9599-011

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Squirrel Cheek Compatibility

Stop ***NS2***

Start Date: 6/20/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/25/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP DSI9599-011
Location: _____

12/6/27

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

MCJ 12/06/27

ME 12-06-27

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

Picklist Print

Wednesday, June 20, 2012 3:30:41 PM

Page 1

Work Order ID: 86124

Parent Item: DSI 9599-011

Parent Item Name: Squirrel Cheek Compatibility




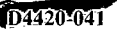


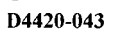





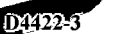








Start Date: 6/20/2012

Required Date: 6/25/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.02.05 NEW ISSUE DD VERF:EC

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|-----------------|--|--------------|---------------|----------------|---|
|  D4404-043 Side Restraint Angle and Tie Down Point | | Manufactured | No | | | 110 | Each | 11.0000 |  1 | 1 | | |  |
| | | | | <u>Location</u> | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | | | |
| | | | | ST141a | | 11 | | | | | | | |
| | | | | 65433 | | 1 | | | | | | | |
| | | | | 85134 | | 10 | | | | | | | |
|  D4420-041 Top Support Assembly | | Manufactured | No | | | 110 | Each | 2.0000 |  1 | 1 | | |  |
| | | | | <u>Location</u> | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | | | |
| | | | | ST139E | | 3 | | | | | | | |
| | | | | WA | | -1 | | | | | | | |
| | | | | 83443 | | 2 | | | | | | | |
|  D4420-043 Top Leg Support Assembly | | Manufactured | No | | | 110 | Each | 0.0000 |  1 | 1 | | |  |
|  D4422-1 Shim | | Manufactured | No | | | 110 | Each | 5.0000 |  1 | 1 | | |  |
| | | | | <u>Location</u> | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | | | |
| | | | | ST139d | | 5 | | | | | | | |
| | | | | 80924 | | 5 | | | | | | | |
|  D4422-3 Shim | | Manufactured | No | | | 110 | Each | 8.0000 |  2 | 2 | | |  |
| | | | | <u>Location</u> | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | | | |
| | | | | ST | | -4 | | | | | | | |
| | | | | 80925 | | 8 | | | | | | | |
| | | | | ST139d | | 12 | | | | | | | |
|  D4423-1 Splash Guard Extension | | Manufactured | No | | | 110 | Each | 0.0000 |  1 | 1 | | |  |
|  AKS71032-130 Insert | | Purchased | No | | | 110 | Each | 0.0000 |  10 | 10 | | |  |
| | | | | AL24-1032-130 | | | | | | | | | |

B86125

B86323

B86324

B8626

M121269
12/6/27

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

Picklist Print

Wednesday, June 20, 2012 3:30:41 PM

Page 2

Work Order ID: 86124

Parent Item: DSI 9599-011

Parent Item Name: Squirrel Cheek Compatibility

Start Date: 6/20/2012

Required Date: 6/25/2012

Start Qty: 1.00

Required Qty: 1.00

AN4-6A

Bolt

Purchased

No

110

Each

1,201.0000

Location

Loc Qty

Loc Code

ST356

1201

119017

701

121243

500

Purchased

No

110

Each

23.0000

Location

Loc Qty

Loc Code

ST345

23

110023

13

121524

10

Purchased

No

110

Each

526.0000

CR3212-4-05

CHERRY RIVET

Location

Loc Qty

Loc Code

ST331

526

1108

526

Purchased

No

110

Each

202.0000

CR3212-4-06

CHERRY RIVET

Location

Loc Qty

Loc Code

ST330

149

120521

149

ST331

53

112492

18

112794

8

119717

27

Purchased

No

110

Each

80.0000

CR3212-5-06

Rivet

Location

Loc Qty

Loc Code

ST331

80

120933

80

Wednesday, June 20, 2012 3:30:41 PM

Shop Packet Print

Page 2

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

Picklist Print

Wednesday, June 20, 2012 3:30:41 PM

Page 3

Work Order ID: 86124

Parent Item: DSI 9599-011

Parent Item Name: Squirrel Cheek Compatibility

Start Date: 6/20/2012

Required Date: 6/25/2012

Start Qty: 1.00

Required Qty: 1.00

CR3212-5-07

Rivet

Purchased

No

110

Each

156.0000

10

10

Location

Loc Qty

Loc Code

ST331

156

120833

56

121048

100

MS20470AD4-7

Rivet, Universal Head

Purchased

No

110

Each

1,403.0000

4

4

Location

Loc Qty

Loc Code

ST139

1086

121415

1086

ST319

52

120769

52

ST320

265

116081

117

118614

148

MS20470AD4-5

Rivet, Universal Head

Purchased

No

110

Each

1,246.0000

4

4

Location

Loc Qty

Loc Code

ST319

1246

116410

18

118405

405

120142

823

MS21042-08

USE MS21042L08

Purchased

No

110

Each

52.0000

2

2

Location

Loc Qty

Loc Code

ST300

52

103668

52

MS24694-SS1

Screw

Purchased

No

110

Each

68.0000

5

5

Location

Loc Qty

Loc Code

ST289

68

116805

68

Wednesday, June 20, 2012 3:30:42 PM

Shop Packet Print

Page 3

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

Picklist Print

Wednesday, June 20, 2012 3:30:42 PM

Page 4

Work Order ID: 86124

Parent Item: DSI 9599-011

Parent Item Name: Squirrel Cheek Compatibility

Start Date: 6/20/2012

Required Date: 6/25/2012

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-05
SCREW

Purchased No

110 Each 94.0000

2 2

Location

Loc Qty

Loc Code

ST293

94

117316

94

NAS1149DN832J
WASHER

Purchased No

110 Each 577.0000

4 4

Location

Loc Qty

Loc Code

ST298

577

119717

41

120422

536

NAS1149F0463P
Washer

Purchased No

110 Each 71.0000

2 2

Location

Loc Qty

Loc Code

ST275

71

116702

2

120739

69

2

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-794 REV. C
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-794 REV. 2

REF. TCCA STC: SH05-4
REF. FAA STC: SR02794NY
REF. EASA STC: 10031514

1.0 PURPOSE

This service instruction is intended to make the D350-794-011/-111 and D130-794-021/-121 Auxiliary Fuel Tanks compatible with Eurocopter Squirrel Cheek using DSI 9599-011 kit.

2.0 INSTALLATION POCEDURE

2.1 PREPARATION

Perform the following steps:

- 2.1.1 Remove and retain the gas spring, compartment door, and hardware.
- 2.1.2 Remove and retain the forward support bracket and attaching hardware of the Eurocopter Squirrel Cheek.
- 2.1.3 If installed, remove and retain MS20822-8D 90° Fitting from top of D4055-041 or D4464-041 Fuel Tank.
- 2.1.4 If the aircraft is equipped with later model ECL Aux Airframe Fuel Filter Drain Hose, it is recommended to procure from Eurocopter and install P/N ESK-1324 elbow fitting to eliminate interference of drain hose with Auxiliary Fuel Tank.

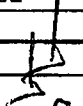
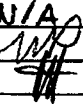
2.2 INSTALLATION OF GUTTERS AND LOWER TIE DOWN POINT:

- 2.2.1 Follow steps 3.1 through 3.4 of IIN-D350-794.
Step 3.2 is only applicable to EC130 aircraft.
- 2.2.2 Replace Steps 3.5 (AS350) or 3.6 (EC130) of IIN-D350-794 with the following instructions:
 - 2.2.2.1 Reference Figure 1 of this service instruction and drawing Sheet 2 and 3 of D350-794-001 (AS350) or D130-794-002 (EC130). Place fuel tank in position. Push firmly forward and inboard. Mark position of side restraint angle P/N D4004-043 and rear restraint angle/gutter P/N D4005-1. Rear restraint angle needs to be trimmed off to fit as desired.
 - 2.2.2.2 Side restraint angle P/N D4004-043 is to be located $17.5" \pm 0.4"$ (445 mm \pm 10 mm) aft of the forward bulkhead. Locate holes as shown in Figure 1 of this service instruction.
 - 2.2.2.3 Remove tank. Install AKS7-1032-130 inserts.
 - 2.2.2.4 Attach rear restraint angle/gutter P/N D4005-1 with eight (8) countersunk rivets, use 0.032" packer as necessary.
 - 2.2.2.5 Attach side restraint angle with four (4) AN525 screws and attach bottom strap tie down bracket P/N D4004-5 with five (5) MS24694 screws per Figure 1 of this service instruction.
- 2.2.3 Perform Step 3.7.
- 2.2.4 Perform Step 3.8 (AS350 only). Refer to Figure 3 and 4 of this service instruction.
Note for Step 3.8.1: It is acceptable to substitute up to two (2) MS20470AD4 rivet with existing bolt from aft support bracket of the Eurocopter Squirrel Cheek.
Note for Step 3.8.2: Replace Step 3.8.2 with Section 2.3 of this service instruction.
- 2.2.5 Perform Step 3.9 (EC130 only). Refer to Figure 3 and 4 of this service instruction.
Note for Step 3.9.1: It is acceptable to substitute up to two (2) MS20470AD4 rivet with existing bolt from aft support bracket of the Eurocopter Squirrel Cheek.
Note for Step 3.9.2: Replace Step 3.9.2 with Section 2.3 of this service instruction.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)

DATE: 12.03.01
CERT. NO.: SH05-4
ISSUE NO.: 3

| | | | |
|--|---|---|--------------|
| A | NEW ISSUE | MB | 12.02.23 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN |  | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | | | |
| CHECKED | | | |
| MFG. APPR. | | | |
| APPROVED | | | |
| DE APPR. |  | DRAWING NO. | REV. A |
| DATE | 12.02.23 | DSI 9599 | SHEET 1 OF 5 |
| | | TITLE DART AUX TANK AND SCALE ECL SQUIRREL CHEEK COMPATIBILITY NTS | |
| COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | | | |

2.3 INSTALLATION OF D4420-041/D4420-043 TOP SUPPORT/LEG ASSEMBLIES

To substitute installation of D4006-041 Top Support Assy referred to in IIN-D350-794. Refer to Figure 3 and 4 of this service instruction.

- 2.3.1 With tank in position and secured in with strap P/N D4024-041 (ref. IIN-D350-794), locate D4420-041 and D4422-1/-3 Shims. Locate D4420-043 and a D4422-1 Shim so the centerline of the leg on D4420-043 and D4422-1 Shim coincides with existing AN3 size hole in existing rib assembly and Squirrel Cheek top aft support bracket.
NOTE: Enlarge existing hole in Squirrel Cheek top aft support bracket to Ø0.250" to locate/fasten the D4420-043 Top Support Leg Assy and substitute the existing fastener in that one location with provided AN4 fastener. Trim D4420-043 Top Support Leg Assy, and D4422-1/-3 Shims as required to eliminate possible interference with existing ribs, stringers, rivet heads, or D4420-041.
- 2.3.2 Transfer mark location of D4420-043 onto D4420-041.
- 2.3.3 Remove and using existing hole in D4420-043, transfer drill Ø0.128" hole to D4420-043 and fasten using MS20470AD4 Rivets.
- 2.3.4 Install Top Support/Leg Support Assembly, Spacer, and Shims with provided hardware.
Torque to 50-70 in-lbs.
- 2.3.5 Re-install the forward top support of the Squirrel Cheek per ECL STC using part and hardware removed at Step 2.1.2.
- 2.3.5 Complete installation by following Steps 3.10 through 3.16. Ensure to re-install MS20822-8D 90° Fitting at top of D4055-041 or D4464-041 Fuel Tank prior to installing the vent line.
- 2.3.6 Re-install Squirrel Cheek door and gas spring in accordance with ECL STC.

2.4 INSTALLATION OF D4423-1 SPLASH GUARD EXTENSION

Refer to Figure 2 of this service instruction.


- 2.4.1 Remove the D4008-7 Washers by unfastening the nuts from the screws. Retain all.
- 2.4.2 Fasten the D4008-7 Washers as shown using the hardware removed at the previous step.
- 2.4.3 Locate the Splash Guard Extension and fasten in place as shown.






3.0 WEIGHT AND BALANCE

There is a negligible weight change associated with the installation of DSI-9599-011 Kit and this modification. However, the weight and balance information of both the Eurocopter Squirrel Cheek and DART Auxiliary Tank is cumulative and applicable.

4.0 MAINTENANCE AND CONTINUED AIRWORTHINESS

Refer to ICA-D350-794 for maintenance of the auxiliary tank. Note: It is recommended to remove the compartment door and gas spring, auxiliary tank vent line, including MS20822-8D 90° Fitting at top of D4055-041 or D4464-041 Fuel Tank, and D4004-043 Side Restraint Angle prior to removing the auxiliary tank for inspection.

| | |
|--|---|
| CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01 | |
| APPROVED | |
| BY: |  |
| | D. SHEPHERD (DE # 02) |
| DATE: | 12.03.01 |
| CERT. NO.: | SH05-4 |
| ISSUE NO.: | 3 |

| | | | |
|------------|---|--|-------------------------|
| DESIGN |  | DART AEROSPACE LTD | |
| DRAWN | | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED |  | DRAWING NO. | REV. A |
| MFG. APPR. |  | DSI 9599 | SHEET 2 OF 5 |
| APPROVED |  | TITLE | DART AUX TANK AND SCALE |
| DE APPR. |  | ECL SQUIRREL CHEEK COMPATIBILITY NTS | |
| DATE | 12.02.23 | COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | |

5.0 PARTS LIST

| Qty -011 | Part Number | Description |
|-------------|---------------|-------------------------------------|
| X | DSI 9599-011 | SQUIRREL CHEEK COMPATIBILITY KIT |
| 1 | D4004-043 | SIDE RESTRAINT ANGLE |
| 1 | D4420-041 | TOP SUPPORT ASSY |
| 1 | D4420-043 | TOP SUPPORT LEG |
| 1 | D4422-1 | SHIM |
| 2 | D4422-3 | SHIM |
| 1 | D4423-1 | SPLASH GUARD EXTENSION |
| 10 | AKS7-1032-130 | INSERT |
| 2 | AN4-6A | BOLT |
| 4 | AN525-10R9 | SCREWS |
| 10 | CR3212-4-05 | RIVET |
| 10 | CR3212-4-06 | RIVET |
| 10 | CR3212-5-06 | RIVET |
| 10 | CR3212-5-07 | RIVET |
| 4 | MS20470AD4-7 | RIVET |
| 4 | MS20470AD4-5 | RIVET |
| 2 | MS21042-08 | NUT (OR MS21042L08) |
| 5 | MS24694-S51 | SCREW |
| 2 | MS35206S242 | SCREW (OR MS27039-08-05) |
| 4 | NAS1149DN832J | WASHER |
| 2 | NAS1149F0463P | WASHER |

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AIRCRAFT CERTIFICATION
BRANCH
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CERT. NO.: SH054
ISSUE NO.: 3

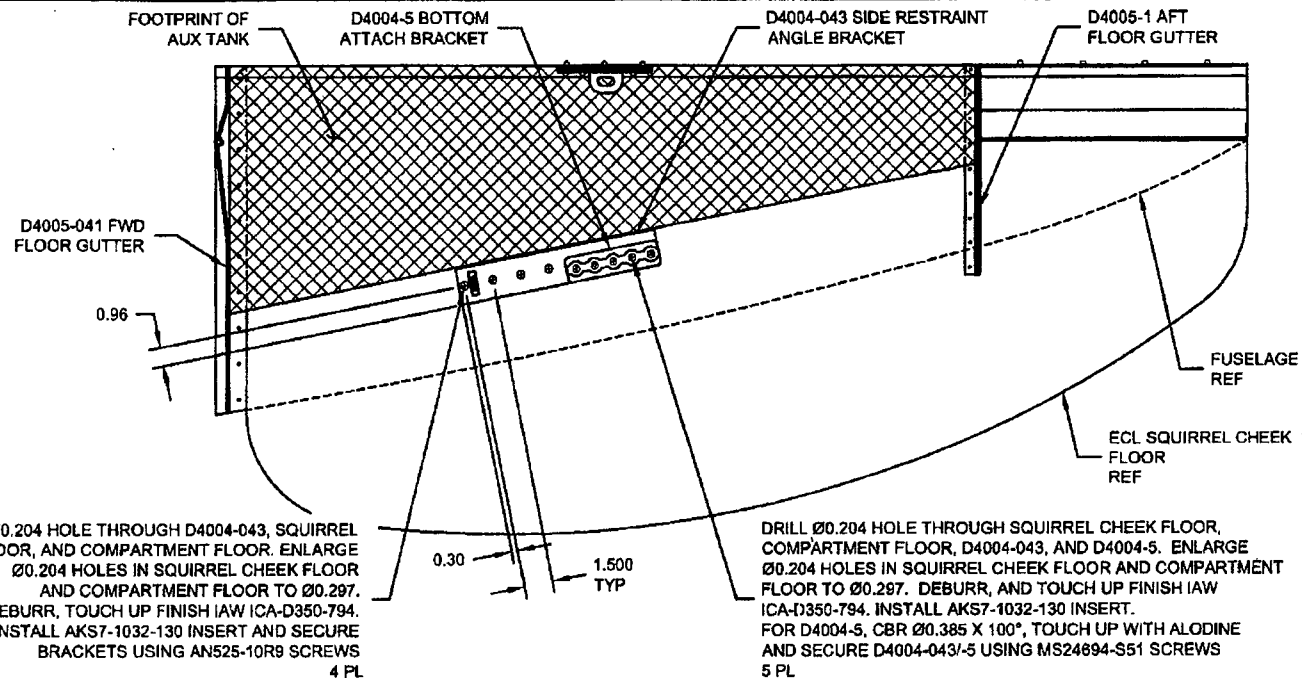
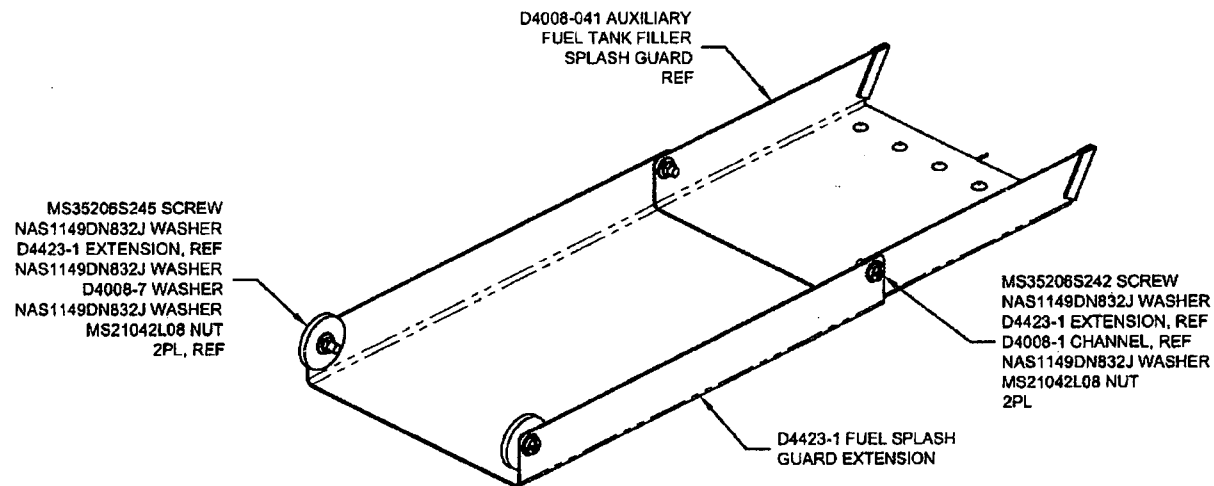


FIGURE 1: INSTALLATION ON SQUIRREL CHEEK FLOOR



**FIGURE 2: INSTALLATION OF FUEL SPLASH GUARD EXTENSION
(SHOWN WITH TANK REMOVED)**

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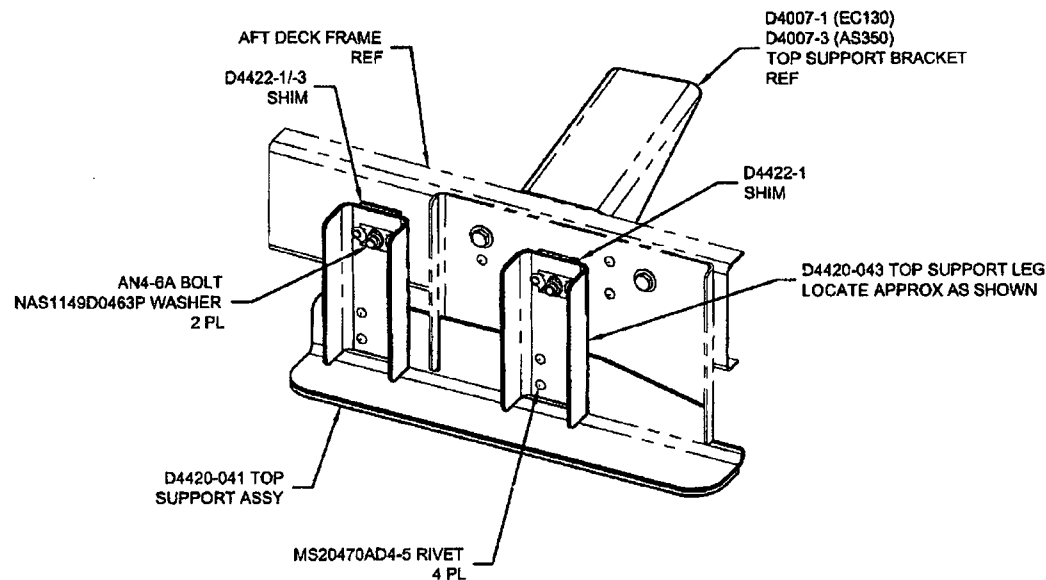


FIGURE 3: INSTALLATION OF TOP SUPPORT ASSY
(SHOWN WITH SQUIRREL CHEEK, TANK, AIRCRAFT SKIN AND DECK REMOVED FOR CLARITY)

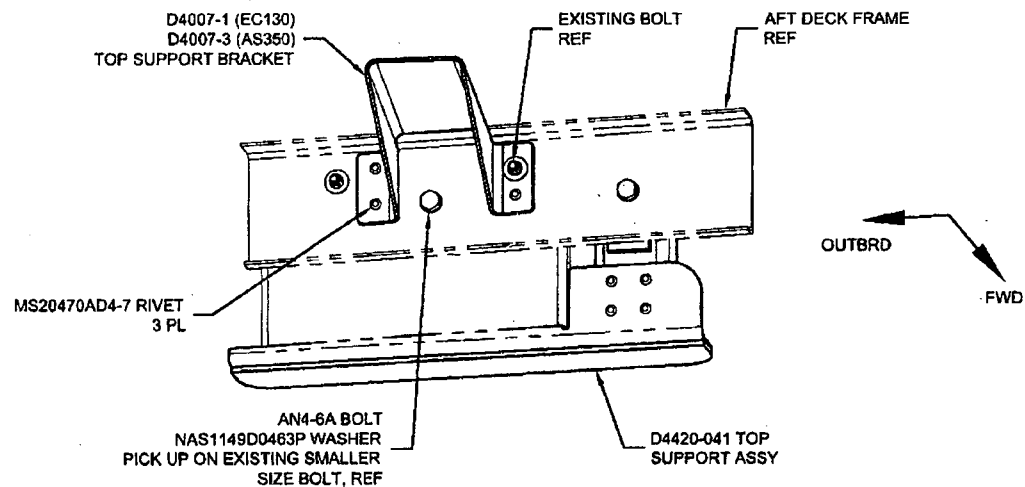


FIGURE 4: INSTALLATION OF TOP SUPPORT ASSY
(SHOWN WITH SQUIRREL CHEEK, TANK, AIRCRAFT SKIN AND DECK REMOVED FOR CLARITY)

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